

CERNY, V., inz.; PUNCOCHAR, Z., inz.; KECLIK, V., inz.; SEFC, J., inz.
JEHLOEK, L.; HRBEK, *Antonin*

Informations on metallurgy. Hut listy 16 no.2:147-151 F '61.

1. Ceskoslovenska akademie ved (for Cerny).

HRBEK, A.

"Simple material tests" by Miroslav Korinek. Reviewed by A.Hrbek.
Hut.listy 16 no.4:291 Ap '61.

PUNCOCHAR, Z., inz.; CHVATAL, V., inz.; BECVAR, J.; KROMNIKL, Fr., inz.;
HRBEK, A.; ZIDEK, inz.; JENICEK, L.

Information on metallurgy. Hut listy 16 no.4:293-303 Ap '61.

PUNCOCHAR, Z., inz.; HRBEK, A.; CHVATAL, Vlad., inz.; VETSIKA, A.; KECLIK, V.;
JENICEK, L.; POKORNY, A.; HOREJS, S.; ZIDEK, inz.

Information on metallurgy. Hut listy 16 no.6:445-455 Je '61.

HRBEK, A.

"Processing and use of aluminum and its alloys" by J. Chvojka and
M. Brzobohaty. Reviewed by A. Hrbek. Hut listy 16 no.7:522-523 J1 '61.

HRBEK, A.

"Continuous spraying for removing scale and rust from steel plates"
by I.M.Sidorenko. Reviewed by A. Hrbek. Hut listy 16 no.7:523 J1 '61.

PUNCOCHAR, Z., inz.; BENDA, O.; CHVOJKA, Jan, inz.; CHVATAL, V.; HRBEK, A.;
KRUMNIKL, F.; HOREJS, S., inz.; TEINDL, J.; SESTAK, B.

Information on metallurgy. Hut listy 16 no.8:596-605 Ag '61.

HRBEK, Antonin, inz.

Viscosity of melted metals and alloys. Sbornik skol ban 8 no.3:
287-294 '62.

1. Ceskomoravska-Kolben-Danek Praha.

09/21/2001

CIA-RDP86-00513R000618220010-1

3/85/62/000/006/011/163
A006/A101

AUTHORS:

Hromádka, Jaroslav; Hrbek, Antonin

TITLE:

Measuring the temperature of molten metal with the aid of an immersion pyrometer

PERIODICAL:

Referativny zhurnal, Metallurgiya, no. 6, 1962, 13 - 14, abstract
6B78 ("Slevarenstvi", 1962, v.10, no. 1, 24 - 28, Czech)

TEXT:

Information is given on experiments made at the CKD casting plant (Praha, CzSSR) on the selection of an optimum immersion-pyrometer design to measure the temperature of molten cast-iron, Cu-alloys and steel in furnaces, ladles and crucibles. During the experiments tests were made with a number of designs for the fastening of a protective quartz tip of the thermocouple to a safety block (made of steel or better of graphite) and the fixation of the safety block to the bearing tube and head of the immersion pyrometer with the coils. These tests were performed to facilitate the replacement of the thermocouple hot junction after every 20 - 50 immersions. Immersion pyrometers with protective quartz tips fastened to a graphite block are used at the plant to measure the

Measuring the temperature of...

S/137/62/000/006/011/163
A006/A101

estimated to 100,000 - 120,000 crowns per year. This proves the economical expediency of using immersion pyrometers for measuring the temperature of molten metals.

S. Glebov

[Abstracter's note: Complete translation]

CeskomORAVSKA-KOLBEN-DANEK Praha, zavod SLEVARNY

Card 3/3

8/276/63/000/001/022/028
A006/A101

AUTHORS: Kraus, Jaroslav, Hrbek, Antonin

TITLE: Comparison of acid and basic electric steel as to their mechanical properties and economical efficiency

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 1, 1963, 8, abstract 1051 ("Slávarenství", 1962, v. 10, no. 7, 259 - 261, Czech)

TEXT: Information is given on experiments of a section steel casting shop at the ČKD plant (Praha, ČSSR), where one of the 5-ton electric arc furnaces with 1,875 kvamp transformers and stuffed lining of a water glass and sand mixture by the Barin method was converted to the acid process. Heats are produced with iron ore oxidation, intensive bubbling without diffusional reduction of the slag with C and limited reduction with Si. In the furnace the steel is deoxidized with 75% Fe-Si and 75% Fe-Mn. Final deoxidation proceeds in the ladle. For comparison, two grades of steel were melted in one basic and one acid 5-ton furnace, 1,875 kvamp each. The results of mechanical tests were statistically

Card 1/2

Comparison of acid and basic electric steel...

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processed. It was established that in acid steel σ_s , σ_b , δ_5 , and ψ are on the average lower by 10% than in basic steel but above standard values. Acid steel which is by 50°C hotter than basic steel, fills the mold better. The efficiency of an acid furnace is on the average by 49% higher; specific power consumption is by 21% lower, and losses by 12% lower than in a basic furnace. Acid steel is on the average by 25% cheaper. The acid furnace is fed with scrap, pure in respect to P and S, i.e. wastes from basic heats.

Ya. Polyakov

[Abstracter's note: Complete translation]

Card 2/2

HRBEK, A.

New books on founding. Slevarenstvi 10 no.9:356-357 S '62.

CHVOJKA, J., inz.; HREEK, A.; KORECKY, Jan; ZIDEK, M.; BAUER, J., inz., dr.;
TEINDL, J.

Information on metallurgy. Hut listy 17 no.5:371-380 My '62.

HRBEK, A.; CERNY, V., inz.; PUNCOCHAR, Z., inz.; BECVAR, J., inz.; KECLIK, V.,
inz.; TICHOPADOVA, E., inz.; KREMER, R., inz.; ZIDEK, M., inz.;
TEINDL, J.; SESTAK, B., inz.

Information on metallurgy. Hut listy 17 no.12:887-902 D '62.

HRBEK, A.

"Science of materials" by F. Pisek. L. Jenicek. Part 3.
Reviewed by A. Hrbek. Stroj vyr 11 no.5:269 My '63.

HRBEK, A.

"Handbook on heat treatment. Diagrams of isothermal and anisothermal decomposition of austenite" by A.A. Popov and L.E. Popova. Reviewed by A. Hrbek. Hut listy 18 no.2:156 F '63.

WIESEN, J.

Development of electrophysiological reactivity in children
and its changes in adolescence. Acta Univ. Carol. [med.]

Praha) 10 no.1:45-44 '67.

1. Neurophysiologické oddělení Ústavu vrozené vývojové dítěte
Fakulty lékařské 1. lékařské University Karlovy v Praze;
editel: prof. MUDr. J. Wiesen, Dr Sc.

HRBEK, A.; MARES, P.

Development of the visual system in mature and premature infants. Rev. czech. med. 11 no.2:81-90 '65

1. Department of Neurophysiology, Research Institute of Child Development, Faculty of Paediatrics, Prague.

KEPKA, M., inz.; PUNCOCHAR, Zd., inz.; VESELY, J., inz.; NECLIK, V., inz.;
BECVAR, J., inz.; RANT, Pavel, inz.; CHVOJKA, Jan, inz.; SOMMER, B.,
inz. KALIVODA, A., inz.; HRBEK, A.

Information on metallurgy. Hut listy 18 no.3:207-223 Mr '63.

HRBEK,A,; MARES,P.

The development of electrophysiological reactivity of CNS
in children. Activ. nerv. sup. 6 no.1:92-93 '64.

*

HRBEK, B.; KOPECEK, J.

Electromagnetic model of a transformer for very high voltage.

P. 555. (ELEKTROTECHINCKY OBZOR.) (Praha, Czechoslovakia) Vol. 3, no. 20, Dec. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May 1958

HRBEK, B.; KOPECEK, J.

Impulse strength of Skoda V. H. V. instrument transformers. p. 16.

CZECHOSLOVAK HEAVY INDUSTRY. SKODA NEWS. Praha, Czechoslovakia.
No. 2, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959.
Uncl.

HRBEK, B.; Barta, K.; Honovsky, J.

"Surge and dynamic tests of transformers in V. I. Lenin Works of Plzen."

ELEKTROTECHNICKY OBZOR, Praha, Czechoslovakia, Vol. 48, No. 5, May,,1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 8,
August 1959

Unclassified

HRBEK, Bohumil, inz.; BARTA, Karel, inz.; ROMOVSKY, Jaroslav, inz.

Surge and dynamic tests of transformers in V.I.Lenin Works
of Plzen. El tech obzor 48 no.5:248-256 My '59.

1. Zavody V.I.Lenina Plzen.

INDEX 1

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their H.
Application - Fermentation Industry.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 30503

Author : Hrbek, J.

Inst :

Title : The Utilization of a Czech Raw Material Rich in Tannins
in Wine Clarification.

Orig Pub : Prunysl potraviny, 8, No 9, 499-500, 1957, (in Czech with
summaries in German, English, and Russian)

Abstract : The feasibility of using the juice of wild plums and the
waste waters from the pressing of currants and grapes,
all rich in tannins, in the clarification of turbid wines
has been established.

Card 1/1

18

HRBEK, J.

Climatic conditions of the direct combine grain harvesting in Bohemia and Moravia. Meteor zpravy 15 no.6:153-154 D '62.

1. Hydrometeorologicky ustay.

HOBBS, J.

Report on the 3d Meeting of the Agricultural Meteorology
Commission affiliated with the World Meteorological Organiza-
tion. Meteor zborny 17 no.4:121-126 Ag'64

1. Hydrometeorological Institute, Prague.

HRBEK, J., Olomouc 5, Hnevotinska 3; NEVRLA, F.; POHANKA, J.; Technicka
spoluprace: SPILKA, O.; ZIZKOVA, D.; POLASKOVA, L.

Associated intero-reflex reactions in women during breast feeding.
Cesk. gynek. 30 no.8:614-620 0 '65.

1. Katedra patolog. fyziol. (vedouci doc. dr. J. Hrbek, CSc.) a
gyn.-por. klir. (prednosta doc. dr. F. Gazarek, CSc.) lekarske
fakulty Palackeho University v Olomouci. Submitted July 10, 1964.

HRBEK, J., Olomouc 5, Hnevotinska 3

Contribution to the physiological mechanism of milk ejection.
Cesk. gynek. 30 no.8:610-614 O '65.

1. Katedra patolog. fyziol. lekarske fakulty Palackeho Univer-
sity v Olomouci (vedouci doc. dr. J. Hrbek, CSc.). Submitted
July 10, 1964.

HRBEK, J.; KOMENDA, S.; DOSTALOVA, K.; VIZINOVA, H.

The effect of certain drugs on artificial conditioned verbal
temporary connections in acute experiments. Activ. nerv. sup.
6 no.1:73-74 '64.

X

HRBEK, J.

Principles of the central efferent system in neurophysiologic clinic; schematic construction of the motor nervous system. Cas. lek.cesk. 89 no.17:478-485 28 Ap '50. (GLML 19:2)

1. Of the Neurological Clinic of the Medical Faculty of Charles University located at Pilzen (Head — Prof. J.Hrbek, M.D.)

HRBEK, Jan

Certain problems of structure and function of the cerebral cortex. Neur a psychiat csl 17 no.2:88-94 Ap '54. (REAL 3:8)

1. Lekarska fakulta v Plzni. Ustav experimentalni pathologie.
Prednosta: MUDr Jan Hrbek.

(CEREBRAL CORTEX, physiology,

*localization of funct. according to Pavlovian principles)

HRBEK, Jan

Pavlovian theory on dynamic localization of function of the
cerebral cortex. Neur a psychiat csl 17 no.2:94-99 Ap '54.
(EEAL 3:8)

1. Lekarska fakulta v Plzni. Ustav experimentalni pathologie.
Prednosta: MUDr Jan Hrbek.

(CEREBRAL CORTEX, physiology,

*Localization of funct. according to Pavlovian principles)

HRBEK, JAN

HRBEK, Jaromir; Hrbek, Jan

Rules and mechanisms of correlation between the first and second
signal systems studied by the method of laboratory language.
Neur a psychiat csl 17 no.2:99-124 Ap '54. (REAL 3:8)

1. Laborator pro vyzkum vyssi nervove cinnosti cloveka. Neurologicka
klinika PU v Olomouci. Prednosta: prof. Dr Jaromir Hrbek.
Ustav experimentalni pathologie v Plzni. Prednosta: Dr Jan Hrbek.

(CEREBRAL VORTEX, physiology,

*signal systems, verbal method of study of correlation
between first & second systems)

EXCERPTA MEDICA Sec.8 Vol.11/4 Neuro.-Psychiatry Apr 58

HRBEK, J.

1661. APHASIC DISTURBANCES DUE TO LESIONS OF THE TEMPORAL AND
FRONTAL LOBES - Fatické poruchy u lezí temporálního a frontálního laloku
- Hrbek J. and Zapletal B. Neurol. Klin. PU, Olomouc, Chir.

Klin. PU, Olomouc - ACTA UNIV. PALACK. OLOMUCENSIS 1955, 2 (151-164)

The study concerns 8 patients, 5 of whom had extensive lesions of the temporal lobe, 3 lesions of the frontal lobe of the dominant left hemisphere. The disturbances were verified neurosurgically and their extent and topography determined. The beginning and development of aphasic disturbances in tumours of the temporal lobe and a restitution of phasic disturbances after the resection of temporal lobe in the 5 patients reported on prove that the chief mechanism of speech is not situated in the temporal lobe, but in the lower parietal lobe. Sensory acoustic aphasia may be fully compensated by the other hemisphere. Analysis of the pictures of the lesions of the frontal lobe, verified during operation or by p.m. examination, shows with almost conclusive force the validity of this interpretation of the functions of speech. The central mechanism of speech is represented by a connection of the proprioceptive area of the organs of speech in gyrus supramarginalis with Broca's logomotorial area in F 3. The organs of speech are connected with the CNS by the hemispherical projection of the basic unconditioned proprioceptive-motoric reflex arc. Analogically the central mechanism of speech is formed by the connection of the graphaesthetic area in the parietal lobe and the graphomotoric area in F 2. These basic proprioceptive-motoric circuits are joined secondarily by means of conditioned structures with the acoustic and optic analyzer. The basic physiological mechanisms of spoken language, of writing and thinking are realized through the activity of these 6 analyzers (or their areas) and through the 6 connective systems of speech.

Henner - Prague

HRBEK J.
HRBEK, J.

In Memoriam Dr. Vaclav Cedik-Antar. Cas. lek. cesk. 94 no.9:235-236
25 Feb 55.

(OBITUARIES,
Cedik-Antar, Vaclav)

HRBEK, J.

Fundamental physiological mechanisms of the cerebral cortex in man; a revision of the present conceptions and a new explanation on the basis of I. P. Pavlov's teaching. *Physiol. bohém.* 5:26-29 Suppl. 1956.

1. The Neurological Clinic and the Laboratory of Higher Nervous Activity in Man, Palacky University, Olomouc, Czechoslovakia.
(CEREBRAL CORTEX, *physiol.*

Pavlovian theory on cortical analysors)

EXCERPTA MEDICA Sec 2 Vol 12/10 Physiology Oct 59)

4790. THE EEG ANALYSIS OF THE CORTICAL STRUCTURES AND CONDITIONED CONNECTIONS. THE GENESIS OF CORTICAL RHYTHMS - EEG studium korových struktur a podmíněných spojů. Genese korových rytů - Hrbek J. Neurol. Klin. a Lab. Vyšší Nervové Činnosti Člověka Lék. Fak. Palackého Univ., Olomouc - ACTA UNIV. PALACK. OLOMUCENSIS 1957. 13 (29-43)

The author believes that the EEG record is a direct manifestation of the activity of the cortical fields of analysors. The origins of the various rhythms are interpreted as follows: (1) the cortical nuclei of the exteroceptive and interoceptive analysors, which contain numerous, highly-specialized elements, generate rapid β -waves. (2) Activity of the peripheral zones of the exteroceptive and proprioceptive analysors, which contain less specialized and phylogenetically older elements, is accompanied by α -waves. (3) The interoreflex fields (the so-called vegetative ones) generate slow rhythms, the θ - or δ -waves. Some of the more highly-specialized nuclei most probably generate a higher rhythm, of 14 c.p.s. The α -rhythm becomes more manifest in the occipital and temporal regions, because these regions contain almost exclusively the peripheral zones of the visual and acoustic analysors. The β -rhythm is the most marked in the frontal and central regions because there the specialized nuclei of the motor field and of the exteroceptive analysors are directly accessible.

Lesný - Prague (VIII, 2)

ZALUD, Dr.; SCHINDLER, Dr.; HANEL, Dr.

Hibernation therapy in thrombophlebitis of cavernous sinus. Rozhl.
chir. 36 no.6:402-404 June 57.

1. Traumatologické oddelení AROU Ústí nad labem, přednosta primar
Dr Dolejší.

(SINUS THROMBOSIS, ther.

artif. hibernation as adjuvant in thrombophlebitis
of cavernous sinus (Cz))

(HIBERNATION, ARTIFICIAL, ther. use

thrombophlebitis of cavernous sinus, use as ther.
adjuvant (Cz))

HRBEK, Jar.; HRBEK, Jan; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

Epidural recording of electrical activity of the brain in a cat preparation in wakeful state. *Activ. nerv. sup.* 4 no.2:135-136 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci, katedra patologicke fyziologie lekarske fakulty Palackeho university v Olomouci.

(BRAIN physiol)

HRBEK, Jar.; HRBEK, Jan; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

Localization of cortical areas of analyzers in the cat. *Activ. nerv. sup.* 4 no.2:136-137 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci,
katedra patologicke fyziologie lekarske fakulty Palackeho university
v Olomouci.

(CEREBRAL CORTEX physiol)

HREBK, Jan; DOCKAL, C.; HREBICEK, J.; SKLENOVSKY, A.; DOSTALOVA, K.;
VIZINOVA, H.; POLASEK, J.

Concomitant autonomic reactions during the process of training in
laboratory language. I. Studies on thermal changes. *Activ. nerv. sup.*
4 no.2:152-154 '62.

(BODY TEMPERATURE *physiol*) (LEARNING) (LANGUAGE)

Blask, Jan

Experimental research on proprioception in oculomotor muscles. I.
Activ. nerv. sup. (Praha) 6 no.3:302-316 '64.

Experimental research on proprioception in oculomotor muscles. II.
Ibid.:316-337

1. Katedra patologické fyziologie lékařské fakulty Filozofické Uni-
versity, Olomouc.

HRBEK, J. (Jr); SANTAVY, F.

Substances from the plants of the subfamily Wormbaeioideae and
their derivatives. Pt.60. Chem Cz Chem 29 no.11:2822-2831 N '64.

1. Institute of Chemistry of the Faculty of Medicine of Palacky
University, Olomouc.

HRBEK, Jar.; HRBEK, Jan.; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

The cortical area of proprioceptive analyzers, its somatotropic sectors and projection areola. *Activ. nerv. sup.* 4 no.2:137-138 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci, katedra patologicke fyziologie lekarske fakulty Palackeho university v Olomouci.

(CEREBRAL CORTEX physiol)

HRBEK, Jar.; HRBEK, Jan.; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

The proprioceptive motor and interoceptive intermotor control circuit.
Activ. nerv. sup. 4 no.2:138-139 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci,
katedra patologicke fysiologie lekarske fakulty Palackeho university
v Olomouci.

(CEREBRAL CORTEX physiol) (REFLEX CONDITIONED)
(MOVEMENT physiol)

HRBEK, Jar.; HRBEK, Jan ; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

The problem of local and distal recording of evoked potentials. Aktiv. nerv. sup. 4 no.2:139-140 1962.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci,
katedra patologicke fyziologie lekarske fakulty Palackeho university
v Olomouci.

(CEREBRAL CORTEX physiol)

HRBEK, Jar.

The proprioceptive analyzer as the integrator of the motor activity.
I. The structure and function. *Activ. nerv. sup.* 4 no.2:109-114 '62.

1. Neurologická klinika a Laborator vyšší nervové činnosti lékařské
fakulty Palackého university v Olomouci. ~~Reditel~~ prof. dr. Jar. Hrbek,
DrSc.

(MOVEMENT physiol) (REFLEX)

HRBEK, Jan; DOCKAL, C.; HREBICEK, J.; SKLENOVSKY, A.; DOSTALOVA, K.;
VIZINOVA, H.; POLASEK, J.

Concomitant autonomic reactions during the process of training in
laboratory language. II. Studies on pulse frequency changes. Aktiv.
nerv. sup. 4 no.2:152-154 '62.

1. Katedra patologické fyziologie lékařské fakulty Palackého university
v Olomouci.

(LEARNING) (PULSE physiol) (LANGUAGE)

HRBEK, J.; SKLENOVSKY, A.; HREBICEK, J.

Contribution to the problem of the cortical localization of the proprioceptive analyzer. Cas. lek. cesk. 101 no.36:1090-1096 7 S '62.

1. Ustav patologické fyziologie lékařské fakulty PU v Olomouci,
prednosta prof. dr. J. Hrbek.
(CEREBRAL CORTEX) (RECEPTORS NEURAL) (OCULOMOTOR MUSCLES)

CZECHOSLOVAKIA

HRBEK, Jan [Affiliation not given] Olomouc.

"Reply to the Discussion by Dr GRÜNNER."

Prague, Activitas Nervosa Superior, Vol 5, No 3, July 63; p 310.

Abstract: Rebuttal to the article above, organized into eight points. Three references, all by author's group.

1/1

10

SKLENOVSKY, A.; HRBEK, Jan

The relationship between gamma-aminobutyric acid and the inhibitory process. The effect of gamma-aminobutyric acid on the release of ammonia in various structures of brain slices in the cat. Acta nerv. sup. (Praha) 6 no.4: 361-365 '64.

1. Ustav patologické fyziologie lékařské fakulty Palackého University, Olomouc.

CZECHOSLOVAKIA

HRBEK, Jan; KOMENDA, S.; SIROKA, A.; BERAN, I.; BIRKAS, O.; Department of Pathol. Physiol, and Dept. of Medical Physics, Medical Faculty, Palacky University, Olomouc. /Orig. version not given./

"The Effect of Some Antidepressants and Antihistaminics on Conditioned Artificial Verbal Associations."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, p 353

Abstract: The effect of 75 mg of propazepine, 75 mg of prothaldien, 75 mg of imipramine, and of a placebo was investigated on 16 students 17 - 19 years old. Only after the administration of imipramine was a deterioration of the performance noticeable. In a second series of tests 75 mg of theadryl, 75 mg of bromadryl and 75 mg of medrine were tested. Only medrine caused a deterioration of the performance. 3 Czech references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18-22 Jan 66. Article is in English.

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Psychiatry

5

CZECHOSLOVAKIA

ZAPLETALEK, M.; STRNAD, M.; KOMENDA, S.; VACKOVA, M.; BARBORAKOVA, E.; STEPANOVA, M.; HRBEK, Jan; BERAN, J.; SIROKA, A.; Psychiatric Clinic, Palacky University, Olomouc; Psychiatric Hospital, Sternberk. [Original version not given].

"Alimenazine, Chlordiazepoxide, Meprobamate, and Placebo in Anxious Depression Therapy."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 437 - 438

Abstract: Effect of the compounds mentioned in the treatment of 24 patients suffering from neuroses is described. The results were evaluated on the basis of the Knobloch AD questionnaire. The score of complaints before any treatment was 1385, after administration of a placebo 1104, with alimenazine 853, with chlordiazepoxide 812, and with meprobamate 779. 1 Table, 12 Western, 6 Czech, 1 Japanese reference. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.

1/1

HRBEK, Jaromir

Investigations of the relationship between the first and the second signal systems using laboratory (artificial, experimental, and unknown) language. Zhur. vys. nerv. deiat. 4 no.4:457-464 J1-Ag '54.
(MLRA 8:3)

1. Laboratoriya vysshey nervnoy deyatel'nosti pri nevrologicheskoy kliniki meditsinskogo fakul'teta Universiteta im. Palatskogo, Olomouts, Chekhoslovakiya.

(CEREBRAL CORTEX, physiology,

signal systems, determ. of relationship by verbal technic)

HRBEK, Jaromir

Investigation of correlation between the first and the second
signal systems by the method of laboratory (artificial, experimen-
tal, unknown) languages; a preliminary report. Neur a psychiat csl
17 no.2:80-87 Ap '54. (REAL 3:8)

1. Laborator pro vyskum vyssi nervove cinnosti cloveka. Neurologicka
klinika FU v Olomouci, prednosta: prof. Dr Jar. Hrbek.

(CEREBRAL CORTEX, physiology,

*signal systems, verbal method of study of correlation
between first & second systems)

HRBEK, Jaromir; Hrbek, Jan

Rules and mechanisms of correlation between the first and second
signal systems studied by the method of laboratory language.
Neur a psychiat csl 17 no.2:99-124 Ap '54. (REAL 3:8)

1. Laborator pro vyskum vyssi nervove cinnosti cloveka. Neurologicka
klinika FU v Olomouci. Prednosta: prof. Dr Jaromir Hrbek.
Ustav experimentalni pathologie v Plzni. Prednosta: Dr Jan Hrbek.
(CEREBRAL VORTEX, physiology,
*signal systems, verbal method of study of correlation
between first & second systems)

HRBEK, Jaromir

HRBEK, Jaromir, Prof. Dr

Mechanism of correlation between the first and the second
signal systems. Neur. & psychiat. cesk. 17 no.3:129-141 Je '54.

1. Laborator pro vyskum vyssi nervove cinnosti cloveka.
Neurologicka klinika PU v Olomouci, prednosta: prof. Dr Jaromir
Hrbek.

(CEREBRAL CORTEX, physiology,
*signal systems, correlation)

HRBEK, Jaromir

HRBEK, Jaromir, Prof. Dr; HRBEK, Jan, Dr

Motor analysor. Neur. & psychiat. cesk. 17 no.3:142-149 Je '54.

1. Neurologicka klinika FU v Olomouci, prednosta: prof. Dr Jaromir
Hrbek Ustav experimentalni pathologie lekarske fakulty v Plzni,
prednosta: Dr Jan Hrbek.

(CEREBRAL CORTEX, physiology.

*motor analysor

HRBEK, Jaromir, Prof. Dr.

New scheme of the structure and function of the cerebral hemisphere;
an interpretation of aphasia and other disturbances of cortical
activity. Sborn.lek. 57 no,4:83-115 Apr 55.

1. Neurologická klinika Palackého university v Olomouci Laborator
pro výzkum vyšší nervové činnosti člověka Přednosta: prof. Dr J.
Hrbek.

(BRAIN, physiology,
hemispheres, structure & funct., Pavlovian theory)
(CEREBRAL CORTEX, physiology,
disord., aphasia, Pavlovian interpretation)

HRBEK, Jaromir

Patho-physiological principles and classification of epilepsy.
Cesk. neur. 23 no.23 no.1/2:1-13 Jo '60.

1. Neurologicka klinika lekarske fakulty Palackeho university
v Olomouci a laborator vyssi nervove cinnosti, reditel prof.
MUDr. et ScDr. J. Hrbek.
(EPILEPSY)

HRBEK, Jar.; HRBEK, Jan ; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

The problem of local and distal recording of evoked potentials. Aktiv. nerv. sup. 4 no.2:139-140 1962.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci,
katedra patologicke fyziologie lekarske fakulty Palackeho university
v Olomouci.

(CEREBRAL CORTEX physiol)

HRBEK, Jar.; HRBEK, Jan.; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

The cortical area of proprioceptive analyzers, its somatotropic sectors and projection areola. Aktiv. nerv. sup. 4 no.2:137-138 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci, katedra patologicke fyziologie lekarske fakulty Palackeho university v Olomouci.

(CEREBRAL CORTEX physiol)

HRBEK, Jar.; HRBEK, Jan.; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

The proprioceptive motor and interoceptive intermotor control circuit.
Activ. nerv. sup. 4 no.2:138-139 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci,
katedra patologicke fysiologie lekarske fakulty Palackeho university
v Olomouci.

(CEREBRAL CORTEX *physiol*) (REFLEX CONDITIONED)
(MOVEMENT *physiol*)

HRBEK, Jar.

Proprioceptive analyzer as the integrator of the control circuit of the striated muscle. Aktiv. nerv. sup. 4 no.2:133-134 '62.

1. Laborator VNC Palackeho university v Olomouci.

(REFLEX) (MUSCLES innervation)

HRBEK, Jar.

Central integrator role of the proprioceptive analyzer in neurophysiological speech mechanisms. *Activ. nerv. sup.* 4 no.2:150-152 '62.

1. Neurologická klinika a laborator VNC lékařské fakulty Palackého university v Olomouci.

(SPEECH physiol) (CEREBRAL CORTEX physiol)

HRBEK, Jaromir

Pathophysiological basis and classification of epilepay. Cesk.
neur. 23 no.3:152-157 Mr '60.

1. Neurologicka klinika LF PU v Olomouci a Laborator vyssi ner-
vove cinnosti, reditel prof.MUDr. et ScDr. J. Hrbek.
(EPILEPSY pathol.)

CROSS, A.D.; EL-HAMIDI, A.; HRBEK, J.Jr.; SANTAVY, F.

Substances from the plants of the subfamily Wurmbaeceae and their derivatives. Pt.58. Coll Cz Chem 29 no.5:1187-1192 My '64.

1. Institute of Chemistry, Faculty of Medicine, Palacky University, Olomouc (for Hrbek and Santavy). 2. Research Laboratories, Syntex S.A., Apartado Postal 2679, Mexico, F.D. (for Cross). 3. Medical Plants Research Unit, National Research Center, Dokki, Cairo, U.A.R. (for El-Hamidi).

HRBEK, J.

HRBEK, J. Factors causing the formation of lumps and rancidity in ground paprika. p. 342. Vol. 7, no. 8, 1956. PRUMYSL POTRAVIN. Praha, Czechoslovakia.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

HRBEK, J. KUCONEX, S.

The freezing of soil, its measuring and its moderating. p.133 (Inzenyrske Stavby,
Vol. 5 no. 3 March 1957) Praha

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6 no. 7, July 1957. Uncl.

HRBEK, J.

Freezing of the soil in the winter of 1955-1956. p.16.
(Meteorologicke Zpravy, Vol. 10, No. 1, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

HRBEK, J.

"2d Session of the Agrometeorological Commission of the World Meteorological Organization." p. 5.

METEOROLOGICKE ZPRAVY. Praha, Czechoslovakia, Vol. 12, no. 1, Feb. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.
Uncl.

PHASE I BOOK EXPLOITATION

CZECH/5000

Hrbek, Jaroslav

Výpočet svislého přetížení u jezů tabulových (Computation of the Vertical Flood-gate Load) Prague, Nakl. Československé akademie věd, 1961. 88 p. 1,000 copies printed. (Series: ~~Czechoslovak~~ akademie věd. Rozpravy. Rada technických věd, roč. 71, sešit 1)

Editorial Board: Chairman: Silvestr Prát, Academician; Bohumil Bydžovský, Academician; Corresponding Members of the Czechoslovak Academy of Sciences: Vilém Chmelař, Academician, Radim Kettner, Academician, Jan Rypka, Academician, Josef Sekanina, František Štajgr and Václav Tesař; Eds.: Ladislav Khás and Jaroslav Hain; Reviewer: Jiří Beránek, Docent, Doctor.

PURPOSE: This book is intended for hydraulic engineers and engineers concerned with the construction of dams.

COVERAGE: The author discusses the computation of the verticle load on hydraulically operated floodgates. The selection of a suitable type of floodgate crest over which the calculated flow runs was made only after much experimentation and model testing. The book deals with the theory of calculating the flow over sharp-crested, suppressed weirs and floodgates. The results are

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Computation of the Vertical Floodgate Load

CZECH/5000

compared with model experiments in order to find the best possible pressure distribution and suitable shapes for floodgates. The method of "conformal mapping" was used in calculating the potential flow. No personalities are mentioned. There are 25 references: 10 German, 6 English, 5 Czech, 1 Soviet, 1 Rumanian, 1 French, and 1 Italian.

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JA/wrc/sfm
4/24/61

HRBEK, Jar.; HRBEK, Jan; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

Epidural recording of electrical activity of the brain in a cat preparation in wakeful state. *Activ. nerv. sup.* 4 no.2:135-136 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci, katedra patologicke fyziologie lekarske fakulty Palackeho university v Olomouci.

(BRAIN physiol)

HRBEK, Jar.; HRBEK, Jan; HAVLICEK, V.; HREBICEK, J.; SKLENOVSKY, A.

Localization of cortical areas of analyzers in the cat. Activ. nerv.
sup. 4 no.2:136-137 '62.

1. Laborator VNC lekarske fakulty Palackeho university v Olomouci,
katedra patologicke fyziologie lekarske fakulty Palackeho university
v Olomouci.

(CEREBRAL CORTEX physiol)

HRBEK, Jiri

Experience with chlorpromazine therapy of hypogalactia and agalactia in puerperae. Cesk. gyn. 26 no.3:204-207 Ap '61.

1. Gyn. por. odd. OUNZ ve Sternberku.
(LACTATION DISORDERS ther) (CHLORPROMAZINE ther)

HRBEK, Jan; DOCKAL, C.; HREBICEK, J.; SKLENOVSKY, A.; DOSTALOVA, K.;
VIZINOVA, H.; POLASEK, J.

Concomitant autonomic reactions during the process of training in
laboratory language. II. Studies on pulse frequency changes. Aktiv.
nerv. sup. 4 no.2:152-154 '62.

1. Katedra patologické fyziologie lékařské fakulty Palackého university
v Olomouci.

(LEARNING) (PULSE physiol) (LANGUAGE)

HRBEK, Jaroslav, inz., C.Sc.

Contribution to the theory of free surface flow in a gravity field. Vodohosp cas 10 no.1:30-37 '62.

1. Ustav pro hydrodynamiku, Ceskoslovenska akademie ved, Praha.

HRBEK, Jaroslav, inz., C.Sc.

Movement of solid particles in nonuniform flow of water in pipelines.
Vodohosp cas 10 no.2:174-192 '62.

1. Ustav pro hydrodynamiku, Ceskoslovenska akademie ved, Praha.

HRBEK, Jaroslav, inz., C.Sc.

Calculation of the free surface flow from the given point.
Vodohosp cas 10 no.4:356-369 '62.

1. Ustav pro hydrodynamiku, Ceskoslovenska akademie ved, Praha.

HRBEK, Jaroslav, inz., C.Sc.

Solution of a differential equation for determining the free surface flow of a liquid in a gravity field. Acta techn Cz 8 no.1:63-79 '63.

1. Institut für Hydrodynamik, Tschechoslowakische Akademie der Wissenschaften, Praha 6 - Dejvice, Podbabska 13.

HRBEK, Jaroslav, inz., C.Sc.

Theory of the flow curve of pseudoplastic fluids. Acta techn Cz
8 no.2:128-148 '63.

1. Tschechoslowakische Akademie der Wissenschaften, Institut für
Hydrodynamik, Praha 6, Podbabska 13.

L 30906-66

ACC NR: AP6022946

SOURCE CODE: CZ/0085/65/000/005/0149/0152

AUTHOR: Culik, Jaroslav; Hrbek, Josef

ORG: HMU

16
B

TITLE: Minimum temperatures during slight frosts in the fruit-growing region

SOURCE: Meteorologické zpravy, no. 5, 1965, 149-152

TOPIC TAGS: atmospheric temperature, frost, agriculture crop

ABSTRACT: The article presents the results of measurements of the minimum temperatures in the period of autumn frosts in the rugged terrain of characteristic regions of the Czech highlands and Southern Moravia, which are rich fruit-growing areas. [JPRS]

SUB CODE: 04, 02 / SUBM DATE: none / SOV REF: 001 / OTH REF: 004

Card 1/1 CC

UDC: 551.524.36/.37: 634

094

10 22

CZECHOSLOVAKIA .

POTESILOVA, H; KRBEK, Jr. J; SANTAVY, F

Chemical Institute, Faculty of Medicine, Palacki University, Olomouc - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1967, pp 141-157

"Substances from plants of the Eurhacoidae subfamily and their derivatives. Part 45: Paper and thin-layer chromatography of alkaloids of the Eurhacoidae subfamily."

BLAHA, K.; HRBEK, J. (Jr); KOVAR, J.; PIJEWSKA, L.; SANTAVY, F.

Data on the configuration of nitrogen containing compounds. Pt. 18.
Coll Cz Chem 29 no.10:2328-2340 0 '64.

1. Laboratorium fur heterocyclische Verbindungen, Tschechoslowakische
Akademie der Wissenschaften, Prague und Institut fur Chemie, Medizinische
Fakultat, Palacky-Universitat, Olomouc.

HRBEK L.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products. H
Fats and Oils. Beeswaxes. Soaps. Detergents.
Surface-Active Agents.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68869.

Author : Rany M., Hrbek L.

Inst : Not given.

Title : Certain Conclusions Based on the Investigation of
Detergents Used for Washing and Cleaning in G.D.R.
(German Democratic Republic).

Orig Pub: Prumysl potraviny, 1958, 9, No 2, Priloha, 1-9.

Abstract: Manufacture of synthetic detergents in GDR is
described.

Card 1/1

81

Cervical rib. Cas. lek. cesk. 101 no.37:1113-1118 14 S '62.

1. Chirurgické odd. Krajské nemocnice v Ústí n. Labem, přednosta MUDr.
J. Rodling -- Neurologické odd. Krajské nemocnice v Ústí n. Labem,
přednosta MUDr. J. Ponca.

(SCALenus ANTICUS)

CZECHOSLOVAKIA

M. HRBEK and A. NOVAKOVA, [Affiliation not given] Usti nad Labem.

"Cervical Rib. Reply to Comment by Fr. SVEHLA."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; p 277.

Abstract : Rebuttal to above. Truly the diagnosis of "cervical rib" is inappropriate but it is used and useful. References published after paper was submitted could not be included. Finally, many requests for reprints were received from young physicians, so article was useful.

11/1

--- 28 ---

CZECHOSLOVAKIA

HRBEK, M., of the Surgical Department (Chirurgické oddelení), KUNZ [Krajský ústav národního zdraví; Kraj Institute of Public Health], Usti nad Labem, J. RUDLING, MD, director; KOSINA, F., of the Department of Infectious Diseases (Infekční oddelení), KUNZ, Usti nad Labem, Zdenek KOLOUCH, director; and VEJVODA, M., director of the Central Laboratories (Ústřední laboratorie), KUNZ, Usti nad Labem.

"Five Cases of Hemolytic Icterus in One Family"

Prague, Casopis Lekaru Ceskych, Vol ¹⁰² 102, No 17, 26 April 63, pp 451-454.

Abstract [Authors' English summary]: Report on the family occurrence of congenital hemolytic icterus in five members of the same family. Four patients decided to be operated on and splenectomy was successful. A brief analysis is given of the differential diagnosis and treatment. Attention is drawn to the necessity of considering this disease in clinical practice; apparently it is not too rare and is amenable to surgical treatment. Seventeen references, including 2 Czech.

11/1

1.1800

28981

Z/032/61/011/012/003/003
EO73/E535

AUTHOR: Hrbek, P.

TITLE: Diffusion chromating steel

PERIODICAL: Strojirenství, v.11, no.12, 1961, 950

TEXT: The substance of this new process, for which a Czechoslovak patent was granted, is that at high temperatures atomic chromium is transferred to the surface of the treated components by means of halogenides and from the surfaces it diffuses into the material. The process is carried out in a retort, the lid of which permits escape of excess gases forming on decomposition of the halogenides during the process of heating. By cooling the external part of the retort during the process and the lid surface at the end of the process, the residues of the gaseous phases are drawn off from the mixture and condense onto the cooled surfaces. Thus, the chromating mixture, which consists of 40 wt.% chromium powder and 60 wt.% "re-roast" powder and 0.04 wt.% ammonium iodide, is rejected so that the chromium is fully utilized and there are practically no residues. Depending on the operating conditions and the type of

Card 1/2

Diffusion chromating steel

28981

Z/032/61/011/012/003/003
E073/E535

steel, the diffusion chromating forms a protective surface layer which in current-grade carbon steels consists of the α -phase with a characteristic columnar structure which adheres solidly to the base material. From the point of view of resistance to corrosion, the diffusion chromated parts are comparable to similar parts made of chromium steel. For steels with higher carbon contents, the microhardness of the layer may reach $H_v = 1200$ and more. Diffusion chromating also brings about an increase by several times of the resistance to wear and oxidation at elevated temperatures.

SVUOM: P-053-61, Prague.

[Abstractor's Note: Complete translation. "Re-roast" is a literal translation of the corresponding Czech word "prežeh".]

Card 2/2

HASIL, Frantisek, inz.; HRBEK, Pavel, inz.; VESELY, Vladimir, inz.

Protection of products from high temperature by a surface
finish. Stroj vyr 13 no.4:254-259 Ap '65.

1. State Research Institute of Material Protection, Prague.

S/137/62/000/009/027/033
A006/A101

AUTHOR: Hrbek, Pavel

TITLE: A method of obtaining a chromous diffusion coating on iron or iron alloys

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 9, 1962, 138, abstract 9I909 P (Czechosl. Patent no. 100013 of June 15, 1961)

TEXT: The method of thermo-diffusional chrome-plating of steel parts is distinguished by the fact that the process is conducted in a mixture of Fe-Cr, ceramic material, and halide in a hermetic case at low pressure (0.85 - 0.55 at.). The case, filled with the mixture and the parts is heated to 850 - 1,100°C and is closed after completed gas liberation. The vacuum developed is due not to evacuation of gas but to the chemical reaction proceeding in the case. The method prevents oxidation of the upper layers of the mixture. Wastes of ceramic production may be used as ceramic material.

[Abstracter's note: Complete translation]

M. Shapiro

Card 1/1

HRNEK, J.

J. Hamrik's article "Tasks and Prospects in the Construction of Communications Systems and the Development of Telephone Engineering"; a contribution to the discussion. p. 45.

SLABOPROUDY OBSER, Praha, Vol. 16, no. 1, Jan 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

HRBEK, Svatopluk, inz.

Remarks on Frantisek Stadler's article "Overloading of telecommunication networks". Cs spoje 10 no.1:32 F '65.

1. Research Institute of Telecommunications, Prague.

L 26041-66 EWP(t) IJP(c) JD
ACC NR: AP6005509 (A)

SOURCE CODE: CZ/0078/66/000/001/0024/0024

AUTHOR: Hrbek, Pavel (Engineer; Prague)

ORG: none

TITLE: Protective metallic coating of metal by the hot-spray method, (Pat. No. PV 5124-6)

SOURCE: Vynalezky, no. 1, 1966, 24

TOPIC TAGS: protective coating, ~~high-temperature~~ metal coating, halide

ABSTRACT: The Author Certificate describes a hot-spray surface-coating method for metal to be coated with a protective layer of another metal. The spraying is accomplished in the gas phase with addition of a halide such as ammonium chloride, to the carrier gas.

[KP]

SUB CODE: 11/ SUBM DATE: 15Sep64

Card 1/1

HRBEK, Vladimir, inz.

Modern protection of electromotors from sudden overload.
El tech obzor 53 no.8:447-448 Ag '64.

NERADOVA, O.; HRBEK, V.; ZEMANEK, J.

Unusual number of patients with Calvé's disease. Acta chir. orthop.
traum. cech. 26 no.3:190-197 June 59.

1. Gottwaldova detska lecebna tbc, Luze-Kosumberk reditel MUDr. Oddeleni
mimoplicni tbc I., prim. MUDr O. Neradova. N.O. Luze-Kosumbek.
(SPONDYLITIS, in inf. & child
vertebra plana (Cz))

531 114.21 - 66 047

5046. Drying of transformers in a vacuum drying chamber. V. HABEK, V. ZITKA AND R. PADERNA. *Elektrotech. Československo*, No. 5, 266-72 (1955) in Czech. EE

Vacuum drying methods in themselves cannot achieve the desired results unless they are correctly controlled, and may even waste precious time on production. If, however, the essentials of thermal diffusion processes are well understood and considered, the efficiency of this drying method can be raised to practically 100%, and the time required reduced to $\frac{1}{4}$. The theory and practical execution of the improved processes are considered.

ELECTRICAL RESEARCH ASSOCIATION

(2)

11/11/51